



## Gaskleen® TM Filter Assemblies 1½" C-Seal



### Description

Pall's Gaskleen Top Mount (TM) filter assemblies are designed for  $\geq 3$  nanometer filtration of semiconductor process gases. The top mount filter is well-suited for integrated gas delivery systems, providing easy access and change out.

- 316L stainless steel housing
- State-of-the-art nickel filter medium
- High temperature and pressure capabilities
- Excellent gas displacement and desorption characteristics
- 100% helium leak tested
- Manufactured and packaged in a cleanroom environment
- No downstream welds
- Minimum downstream volume

### Specifications

#### Materials

- 316L stainless steel housing
- State-of-the-art nickel filter
- Housing meets or exceeds typical VIM / VAR specifications
- Cr:Fe (1:1) chromium-enriched internal surface chemistry
- $\leq 10 \mu\text{in} / 0.25 \mu\text{m} R_a$  internal surface finish

#### Removal Rating

- $\geq 3 \text{ nm}$

#### Particle Removal Characteristics

- $10^9$  particle reduction at rated flow of 100 slpm

#### Connections

- C-Seal, 1½" interface

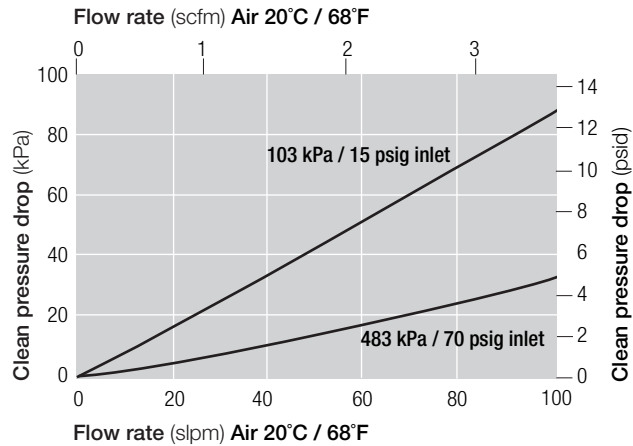
#### Leak Rating

- 100% helium leak tested to  $10^{-9} \text{ atm}\cdot\text{cm}^3/\text{s}$
- Design validated to  $10^{-11} \text{ atm}\cdot\text{cm}^3/\text{s}$

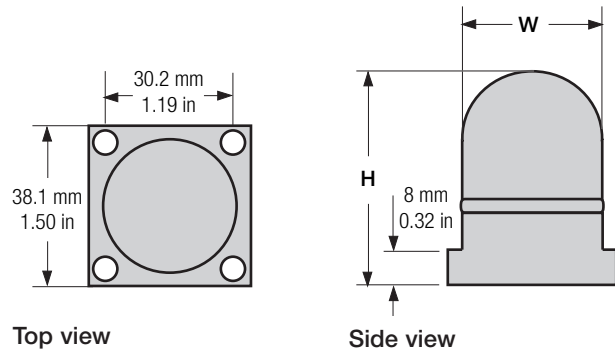
### Operating Conditions

- Maximum operating pressure: 5.2 MPa @ 100°C / 750 psig @ 212°F
- Maximum allowable differential pressure: 0.69 MPa @ 38°C / 100 psid @ 100°F

## Pressure Drop vs. Gas Flow Rate\*



## Dimensions



## Part Numbers / Ordering Information

Part Number	Description	Height (H) (mm / in)	Width (W) (mm / in)	Design Flow Rate (slpm)
GTMN4600CC4	316L stainless steel housing Nickel filter	75.9 / 2.99	33.8 / 1.33	0 – 100